

WHAT IS CLAIMED:

1. A wireless signal receiver for computer peripheral devices, comprising:
  - a housing;
  - 5 a circuit module mounted in the housing for receiving and demodulating into digital form wireless signals sent from a wireless mouse, a wireless keyboard, and a wireless gamepad; and
    - a connector coupled with the housing and being electrically connected with the circuit module, for transmitting the wireless signals in digital form received by the
  - 10 circuit module to a computer platform connected with the wireless signal receiver via the connector;
2. The wireless signal receiver of claim 1, wherein the circuit module comprises at least a wireless signal receiving module unit, a wireless mouse signal demodulation module unit, a wireless keyboard signal demodulation module unit, and a wireless gamepad signal demodulation module unit.
- 15 3. The wireless signal receiver of claim 1, wherein the connector includes at least a signal transmission control module.
4. The wireless signal receiver of claim 1, wherein the computer platform is provided with a communication port for electrical connection to the connector.
- 20 5. The wireless signal receiver of claim 1, wherein the communication port is a universal signal bus (USB) communication port.
6. The wireless signal receiver of claim 1, wherein the communication port is a PS/2 communication port.
7. The wireless signal receiver of claim 1, wherein the housing is consisted of an upper cover and an opposing lower cover for being coupled with the upper cover.
- 25 8. The wireless signal receiver of claim 2, wherein the wireless signal receiving

module unit is constructed as an antenna module board and the wireless mouse signal demodulation module unit, the wireless keyboard signal demodulation module unit, and the wireless gamepad signal demodulation module unit are integrally constructed as a circuit assembly electrically connected to the antenna module board via a printed

5 circuit board.